

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (canceled)

1 **Claim 2 (currently amended):** A transmission line
2 coding method ~~according to claim 1, of performing~~
3 transmission line coding per transmission frame having a
4 plurality of compressed frame data, comprising the steps
5 of:
6 grouping bits of said compressed frame data into
7 plural classes according to a degree of degradation of
8 decoding quality in the presence of a transmission error;
9 and
10 performing different transmission line coding for each
11 class,
12 wherein the bits of said compressed frame data are
13 grouped into at least three classes involving first class,
14 second class of which the degree of degradation of the
15 decoding quality is smaller than that of the first class
16 and third class of which the degree of degradation of the
17 decoding quality is smaller than that of the second class,
18 and
19 wherein first process "convolution coding and addition
20 of CRC check codes" is performed for bits classified as the

21 first class, second process "convolution coding only" is
22 performed for bits classified as the second class, and
23 third process "no coding" is performed for bits classified
24 as the third class.

Claim 3 (canceled)

1 **Claim 4 (currently amended):** A transmission line
2 coding method according to claim [[1]]2,
3 wherein said plurality of compressed frame data is
4 audio compressed frame data, which is split into two to six
5 sub-bands, compressed by way of a sub-band ADPCM mode.

1 **Claim 5 (currently amended):** A transmission line
2 decoding method, comprising the steps of:
3 performing different transmission line decoding for
4 transmission frames, which are encoded by way of the
5 transmission line coding method according to claim [[1]]2
6 in each of plural classes grouped in descending order of
7 the degree of degradation of decoding quality in the
8 presence of a transmission error; and
9 subsequently canceling the grouping to restore
10 original information.

1 **Claim 6 (currently amended):** A transmission line
2 decoding method, comprising the steps of:

3 performing ~~forth~~fourth process "Viterbi decoding and
4 CRC check process" for bits classified as first class,
5 performing fifth process "Viterbi decoding only" for bits
6 classified as second class of which a degree of degradation
7 of decoding quality is smaller than that of the first
8 class, and performing sixth process "no decoding" for bits
9 classified as third class of which the degree of
10 degradation of the decoding quality is smaller than that of
11 the second class, wherein each bits are encoded by way of
12 the transmission line coding method according to claim 2;
13 and
14 subsequently canceling the grouping to restore
15 original information.

1 **Claim 7 (original):** A transmission line decoding
2 method of performing process for transmission frames
3 encoded with a transmission line coding method according to
4 claim 4 in each of audio compressed frame data compressed
5 by way of a sub-band ADPCM mode, comprising the step of:
6 halting application process of a scale factor of ADPCM
7 decoding per sub-band in the presence of a transmission
8 error in said audio compressed frame data.

Claims 8-11 (canceled)

1 **Claim 12 (currently amended):** A transmitter of a
2 digital wireless microphone system comprising means for
3 executing the transmission line coding method ~~according to~~
4 ~~claim 1 of performing transmission line coding per~~
5 transmission frame having a plurality of compressed frame
6 data, comprising the steps of:
7 grouping bits of said compressed frame data into
8 plural classes according to a degree of degradation of
9 decoding quality in the presence of a transmission error;
10 and
11 performing different transmission line coding for each
12 class,
13 wherein the bits of said compressed frame data are
14 grouped into at least three classes involving first class,
15 second class of which the degree of degradation of the
16 decoding quality is smaller than that of the first class
17 and third class of which the degree of degradation of the
18 decoding quality is smaller than that of the second class,
19 and
20 wherein first process "convolution coding and addition
21 of CRC check codes" is performed for bits classified as the
22 first class, second process "convolution coding only" is
23 performed for bits classified as the second class, and
24 third process "no coding" is performed for bits classified
25 as the third class.

1 **Claim 13 (currently amended):** A receiver of a digital
2 wireless microphone system comprising means for executing
3 [[the]]a transmission line decoding method ~~according to~~
4 ~~claim 5, comprising the steps of:~~
5 performing different transmission line decoding for
6 transmission frames in each of plural classes grouped in
7 descending order of the degree of degradation of decoding
8 quality in the presence of a transmission error; and
9 subsequently canceling the grouping to restore
10 original information,
11 wherein the transmission frames are encoded by way of
12 a transmission line coding method of performing
13 transmission line coding per transmission frame having a
14 plurality of compressed frame data, comprising the steps
15 of:
16 grouping bits of said compressed frame data into
17 plural classes according to a degree of degradation of
18 decoding quality in the presence of a transmission error;
19 and
20 performing different transmission line coding for each
21 class,
22 wherein the bits of said compressed frame data are
23 grouped into at least three classes involving first class,
24 second class of which the degree of degradation of the
25 decoding quality is smaller than that of the first class
26 and third class of which the degree of degradation of the

27 decoding quality is smaller than that of the second class,
28 and
29 wherein first process "convolution coding and addition
30 of CRC check codes" is performed for bits classified as the
31 first class, second process "convolution coding only" is
32 performed for bits classified as the second class, and
33 third process "no coding" is performed for bits classified
34 as the third class.